

1 MSAGGASVPP PPNPAVSFPP PRVTLFAGPD ILRTYSGAFV CLEILFGGLV WILVASSNVP  
61 LPLLQGWVMF VSVTAFFFSL LFLGMFLSGM VAQIDANWNF LDFAYHFTVF VFYFGAFLLE  
121 AAATSLHDLH CNTTITGQPL LSDNQYNINV AASIFAFMTT ACYGCSSLGLA LRRWRP

Figure 1

1 ggcgggcgcg gcaggagccc gggaggcgga ggcgggaggc ggcgggcgcg cgcgagagcg  
61 cagcagcggc agcggcagca tgcggccggc cggagcgta gtcccgcgc cccgaaccc  
121 cgccgtgtcc tccccgcgc cccgggtcac cctgcccgc ggccccgaca tcctgcggac  
181 ctactcgggc gccttcgtct gcctggagat tctgttcggg ggtcttgtct ggattttggg  
241 tgcctcctcc aatgttcctc tacctctaact acaaggatgg gtcattgttg tgcctgtgac  
301 agcgtttttc ttttcgtcc tctttctggg catgttcctc tctggcatgg tggctcaaat  
361 tgatgctaac tggaaacttc tggattttgc ctaccatttt acagtatttg tcttctattt  
421 tggagccttt ttattggaag cagcagccac atccctgcat gatttgcatt gcaatacaac  
481 cataaccggg cagccactcc tgagtataa ccagtataac ataaacgtag cagcctcaat  
541 ttttgccctt atgacgacag cttgttatgg ttgcagtgtg ggtctggctt tacgaagatg  
601 gcgaccgtaa cactccttag aaactggcag tcgtatgtta gtttcacttg tctactttat  
661 atgtctgatc aatttggata ccattttgtc cagatgcaaa aacattccaa aagtaatgtg  
721 ttttagtagag agagactcta agctcaagtt ctggtttatt tcatggatgg aatgttaatt  
781 ttattatgat attaaagaaa tggcctttta ttttacctct ccccccttt tccctttccc  
841 cctttatttt cctccttttc tttctgaaag tttcctttta tgtccataaa atacaaatat  
901 attgttcata aaaaattagt atcccttttg tttggttgct gagtcacctg aaccttaatt  
961 ttaattggta attacagccc ctataaaaaa cacatttcaa ataggcttcc cactaaactc  
1021 tataattttg tgtaaacccg gaattggcac acttttttta gaatgggcca gatggtaaat  
1081 atttatgctt cacgggtccat acagtctctg tcacaactat tcagttctgc tagtatagcg  
1141 tgaaagcagc tatacacaat acagaaatga atgagtgtgg ttatgttcta ataaaactta  
1201 tttataaaaa caaggggagg ctgggtttag cctgtggggc atagtttgtc aaccactggg  
1261 gtaaaacctt agttatatat gatctgcatt ttcttgaact gatcattgaa aacttataaa  
1321 cctaacagaa aagccacata atatttagtg tcattatgca ataatacat tgcctttgtg  
1381 ttaatagtca aatacttacc tttggagaat acttaccttt ggaggaaatg ataaaatttc  
1441 tcaggcagag tcctggatat aggaaaaagt aatttatgaa gtaaaacttca gttgcttaat  
1501 caaactaatg atagtctaac aactgagcaa gatcctcacc tgagagtgtc taaaatggga  
1561 tccccagaga ccattaacca atactggaac tggtatctag ctactgatgt cttactttga

2/4

1621 gtttatttat gcttcagaat acagttgttt gcctgtgca tgaatatacc catatttgtg  
 1681 tgtggatatg tgaagctttt ccaaataagag ctctcagaag aattaagttt ttacttctaa  
 1741 ttattttgca ttactttgag ttaaatttga atagagtatt aaatataaag ttgtagattc  
 1801 ttatgtgttt ttgtattagc ccagacatct gtaatgtttt tgcactggtg acagacaaaa  
 1861 tctgttttaa aatcatatcc agcacaaaaa ctatttctgg ctgaatagca cagaaaaagta  
 1921 ttttaacctt cctgtagaga tcctcgtcat ggaaagggtg caaactgttt tgaatggaag  
 1981 gacaagtaag agtgaggcca cagttccac cacacgaggg cttttgtatt gttctacttt  
 2041 ttcagccctt tactttctgg ctgaagcatc cccttgaggt gccatgtata agttgggcta  
 2101 ttagagttca tggaacatag aacaaccatg aatgagtggc atgatccgtg cttaatgatc  
 2161 aagtgttact tatctaataa tcctctagaa agaaccctgt tagatcttgg tttgtgataa  
 2221 aaatataaag acagaagaca tgaggaaaaa caaaagggtt gaggaaatca ggcatatgac  
 2281 tttatactta acatcagatc ttttctataa taccctacta ctttggtttt cctagctcca  
 2341 taccacacac ctaaaccctgt attatgaatt acatattaca aagtcataaa tgtgccatat  
 2401 ggatatacag tacattctag ttggaatcgt ttactctgct agaatttagg tgtgagattt  
 2461 tttgtttccc aggtatagca ggcttatgtt tgggtggcatt aaattggttt ctttaaaatg  
 2521 ctttggtggc acttttgtaa acagattgct tctagattgt tacaaccaa gcctaagaca  
 2581 catctgtgaa tacttagatt tgtagcttaa tcacattcta gacttgtgag ttgaatgaca  
 2641 aagcagttga acaaaaatta tggcatttaa gaatttaaca tgtcttagct gtaaaaatga  
 2701 gaaagtgttg gttggtttta aaatctggta actccatgat gaaaagaaat ttattttata  
 2761 cgtgttatgt ctctaataaa gtattcattt gataaaaaaa aaaaaaaa

**Figure 2a**

60 agcggcagcg gcagcatgtc ggccggcgga gcgtcagtc cgccgcccc gaaccccgcc  
 120 gtgtccttcc cgccgcccc ggtcacctg cccgcccggc ccgacatcct gcggacctac  
 180 tcgggcgccct tcgtctgcct ggagattctg ttccgggggtc ttgtctggat tttggttgcc  
 240 tcctccaatg ttctcttacc totactacaa ggatgggtca tgtttgtgtc cgtgacagcg  
 300 tttttctttt cgctcctctt tctgggcatg ttctctctg gcattggtggc tcaaattgat  
 360 gctaactgga acttcctgga ttttgccctac cattttacag tatttgtctt ctattttgga  
 420 gcctttttat tggaagcagc agccacatcc ctgcatgatt tgcattgcaa tacaaccata  
 480 accgggcagc cactcctgag tgataaccag tataacataa acgtagcagc ctcaattttt  
 540 gcctttatga cgacagcttg ttatgggttc agtttgggtc tggctttacg aagatggcga  
 572 ccgtaacact ccttagaaac tggcagtcgt at

**Figure 2b**

3/4

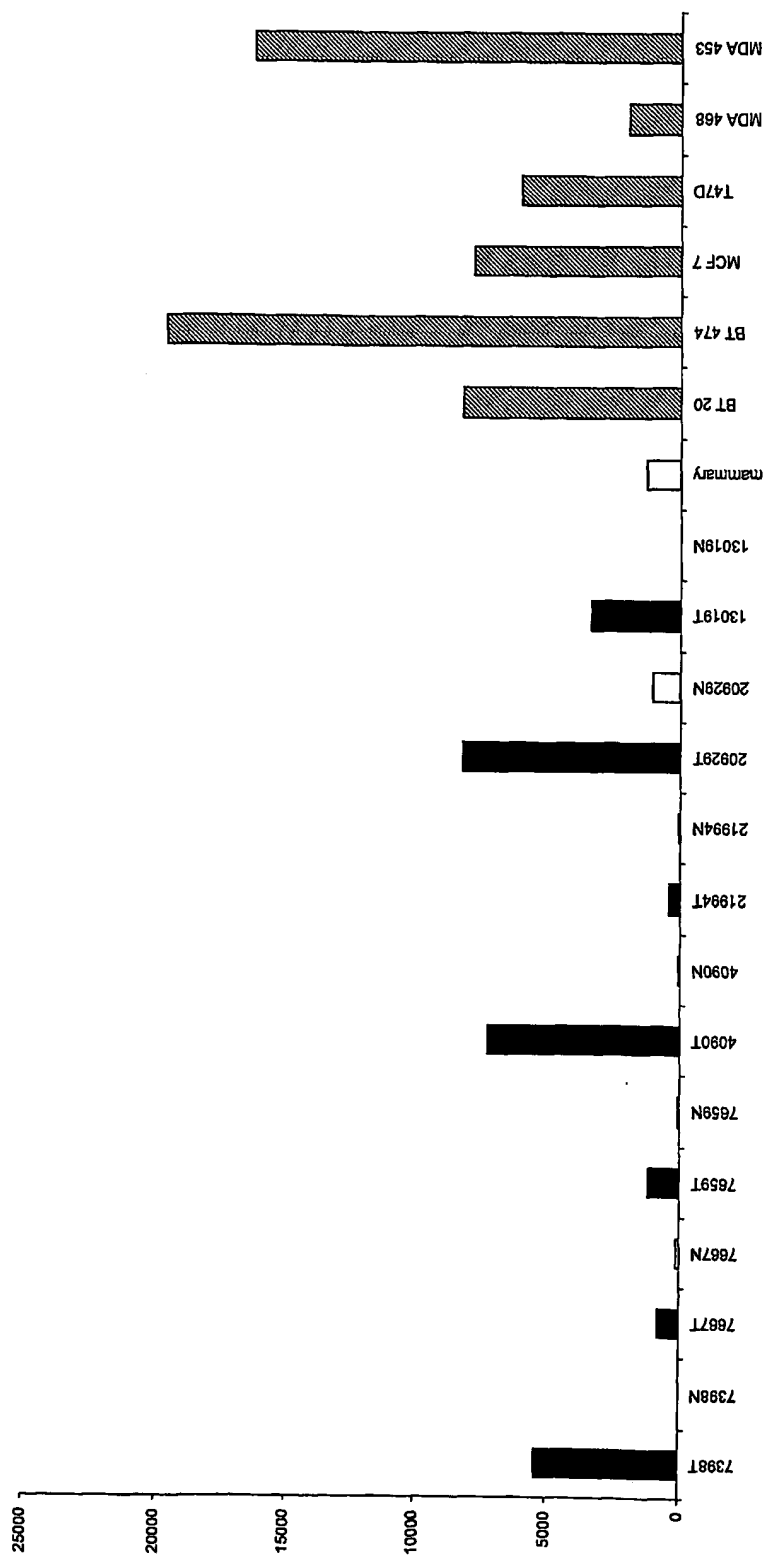


Figure 3

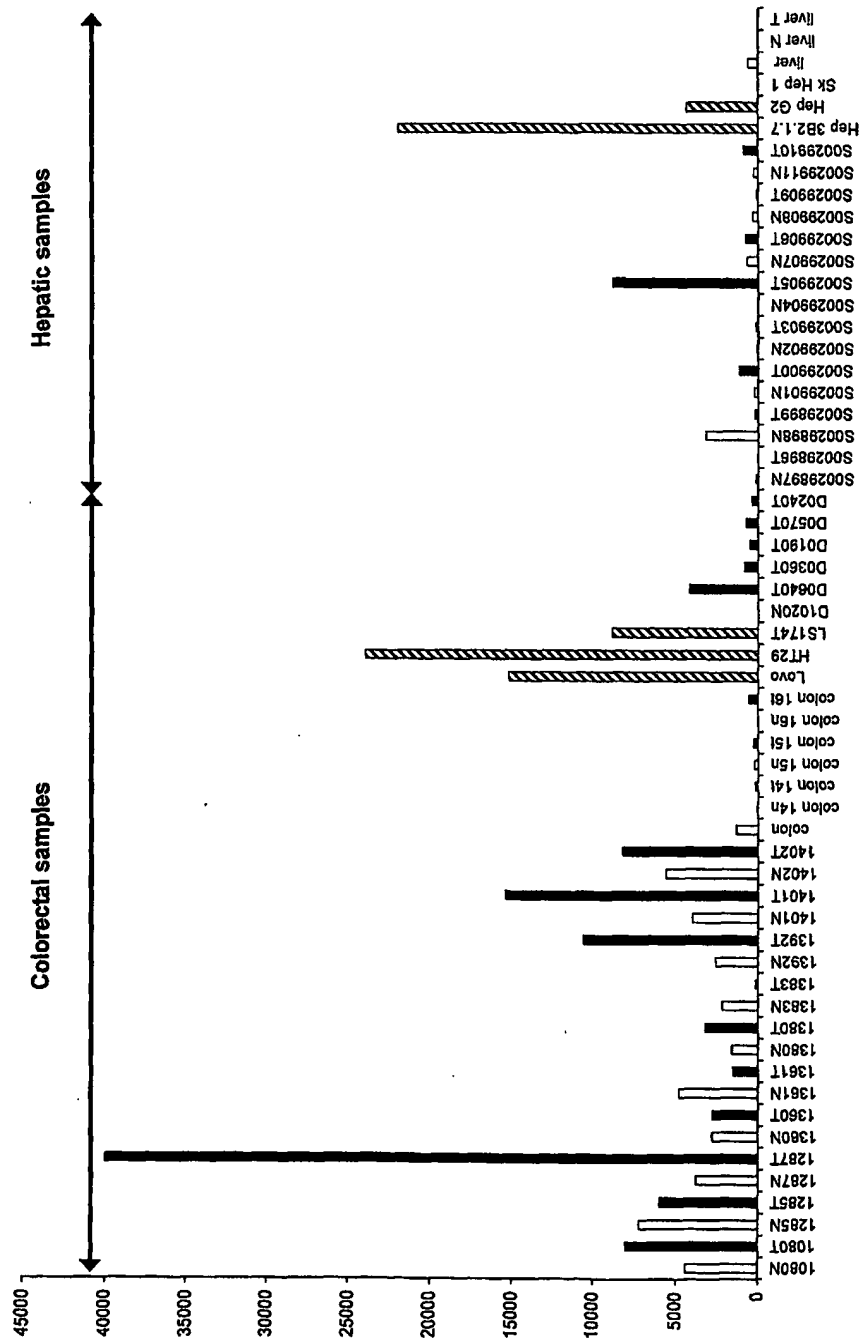


Figure 4